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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Attorney Docket No. 059729-0117

Applicant: Teruo KAGANOI et al.  
Title: PACKET PROCESSING UNIT  
Application No.: 10/091,392  
Filing Date: March 7, 2002  
Examiner: Kizou, Hassan  
Art Unit: 2662

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

### **TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits, and within three (3) months of the mailing date of the foreign search report.

### **RELEVANCE OF EACH DOCUMENT**

A translation of a portion of a Chinese Office Action that issued August 6, 2004 with respect to a counterpart Chinese patent application is provided below.

- "1. Claim 1 claims a packet processing unit, ref 1 discloses a device for flow discrimination and specifically discloses the technical features: a device for flow processing comprises: a receiving section for generating a reception IP packet, a packet receiving and processing section for outputting the packet and extracting a search key and a destination address from the IP packet, a retrieval table formed by CAM performs retrieval based on the search key and outputs memory address corresponding to the key, a forward table stores the destination address, the packet receiving and processing section and a transmitting section put cells to a packet and output the packet, the above means are used for streamline processing (see columns 1, 2, 8, 9, Fig. 1 of ref 1); ref 2 discloses a CAM system and specifically discloses the technical features: in streamline processing, data storing means stores destination address information and outputs the information stored in the input memory address, data reading means calculates the address of the data storing means based on the memory address received from the CAM and supplies it to the data storing means (see columns 2-4 and Fig. 1 of ref 2). It shows that ref 1 and ref 2 have disclosed all the technical features of said claim. In the device for flow processing of ref 1, data is processed, certainly, storing and extracting the data can be conceived, it is obvious to those skilled in the art to obtain the technical solution claimed in said claim on the basis of ref. 1 and in combination with ref. 2, besides, their combination doesn't produce any unexpected technical effects, therefore said claim has no inventiveness prescribed in Art. 22, para. 3 of the Patent Law for failure to possess prominent substantive features, nor represent a notable progress.

2. Additional technical features "duration ... are set at not more than arriving time interval of the packet input in said packet receiving means" and "processing time ... are set at no more than the duration of each stage" are added to dependent claims 2 and 3, but these features belong to common technology of setting the time in this field and publicly-known general knowledge in this field, they are obvious to those skilled in the art, therefore, when claim 1 referred to has no inventiveness, said claim has no inventiveness prescribed in Art. 22, pan. 3 of the Patent Law for failure to possess prominent substantive features, nor represent a notable progress.
3. Additional technical features, i.e., maintenance means, buffer means and arithmetic processing means and their corresponding functions, are added to dependent claims 4, 5 and 6, but these features belong to common modules in a packet processing unit and publicly-known general knowledge in this field, they are obvious to those skilled in the art, therefore, when claim 1 referred to has no inventiveness, said claims have no inventiveness prescribed in Art. 22, para. 3 of the Patent Law for failure to possess prominent substantive features, nor represent a notable progress."

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Applicant's statements regarding the Chinese Office Action are based on a partial translation that Applicant's representative obtained. These statements should in no way be considered as an agreement by Applicant with, or an admission of, what is asserted in the Chinese Office Action.

**STATEMENT**

The undersigned hereby states in accordance with 37 CFR §1.97(e)(1) that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to filing of this Statement.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date October 6, 2004

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Submitted: October 6, 2004 <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
Application Number		10/091,392			
Filing Date		03/07/2002			
First Named Inventor		Teruo KAGANOI			
Group Art Unit		2662			
Examiner Name		Kizou, Hassan			
Attorney Docket Number		059729-0117			

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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	5,438,535		LATTIBEAUDIERE	08/01/1995	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A2	JP	2001-156840			06/08/2001		ABS

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.